

## Electronic Acknowledgement Receipt

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| <b>EFS ID:</b>                              | 10453966   |
| <b>Application Number:</b>                  | 10673507   |
| <b>International Application Number:</b>    |  |
| <b>Confirmation Number:</b>                 | 1662   |
| <b>Title of Invention:</b>                  | System and method for using first-principles simulation to control a semiconductor manufacturing process |
| <b>First Named Inventor/Applicant Name:</b> | Eric J. Strang   |
| <b>Customer Number:</b>                     | 22850  |
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| <b>Filer Authorized By:</b>                 | Marvin Jay Spivak  |
| <b>Attorney Docket Number:</b>              | 231751US6YA  |
| <b>Receipt Date:</b>                        | 05-JUL-2011  |
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| <b>Application Type:</b>                    | Utility under 35 USC 111(a)  |

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| Payment Type                             | Credit Card |
| Payment was successfully received in RAM | \$810       |
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### File Listing:

| Document Number | Document Description | File Name | File Size(Bytes)/<br>Message Digest | Multi Part /.zip | Pages (if appl.) |
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|                       |   |                    |  |     |     |
|-----------------------|---|--------------------|--|-----|-----|
| 1                     |   | 231751USRCIDS1.pdf | 8031762<br>e3662591d64c1a9384fab421b1caa91610f01   | yes | 167 |
|                       | Multipart Description/PDF files in .zip description |                    |  |     |     |
|                       | Document Description                                | Start              | End  |     |     |
|                       | Request for Continued Examination (RCE)             | 1                  | 1  |     |     |
|                       | Amendment Submitted/Entered with Filing of CPA/RCE  | 2                  | 2  |     |     |
|                       | Claims  | 3                  | 21   |     |     |
|                       | Applicant Arguments/Remarks Made in an Amendment    | 22                 | 22   |     |     |
|                       | Transmittal Letter                                  | 23                 | 23   |     |     |
|                       | Information Disclosure Statement (IDS) Form (SB08)  | 24                 | 24   |     |     |
|                       | Foreign Reference                                   | 25                 | 39   |     |     |
|                       | Foreign Reference                                   | 40                 | 60   |     |     |
|                       | Foreign Reference                                   | 61                 | 71   |     |     |
|                       | Foreign Reference                                   | 72                 | 167  |     |     |
| Warnings:             |   |                    |  |     |     |
| Information:          |   |                    |  |     |     |
| 2                     |   | 231751USRCIDS2.pdf | 7297089<br>b5c546a6a7510893c2a5d8168b61a6f0ce79cc1 | yes | 132 |
|                       | Multipart Description/PDF files in .zip description |                    |  |     |     |
|                       | Document Description                                | Start              | End  |     |     |
|                       | Foreign Reference                                   | 1                  | 36   |     |     |
|                       | Non Patent Literature                               | 37                 | 39   |     |     |
|                       | Non Patent Literature                               | 40                 | 44   |     |     |
|                       | Non Patent Literature                               | 45                 | 52   |     |     |
| Non Patent Literature | 53  | 55                 |  |     |     |

|  |                       |    |     |
|--|-----------------------|----|-----|
|  | Non Patent Literature | 56 | 66  |
|  | Non Patent Literature | 67 | 75  |
|  | Non Patent Literature | 76 | 93  |
|  | Non Patent Literature | 94 | 132 |

**Warnings:**

**Information:**

|   |                      |              |  |    |   |
|---|----------------------|--------------|--|----|---|
| 3 | Fee Worksheet (SB06) | fee-info.pdf | 30016  | no | 2 |
|   |                      |              | pdf312157673018d466d4a7a3c9161623d4a635<br>RDB |    |   |

**Warnings:**

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**New Applications Under 35 U.S.C. 111**

If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.

**National Stage of an International Application under 35 U.S.C. 371**

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